

Notice of Allowability

Application No.

10/682,012

Examiner

Thuy Dao

Applicant(s)

KAR ET AL.

Art Unit

2192

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/13/07.
2. ☒ The allowed claim(s) is/are 1-4,7-10,12-15,18-21,23-26,29-32 (renumbered 1-24).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

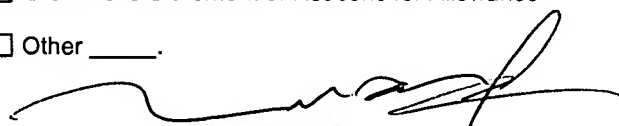
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


TUAN DAM
SUPERVISORY PATENT EXAMINER

Examiner's Amendment

1. This action is responsive to the application filed on October 9, 2003 and the Amendment filed on February 13, 2007.

Claims 1-2, 4, 7-8, 12-13, 15, 18-19, 23-24, 26, and 29-30 have been amended. Claims 5-6, 11, 16-17, 22, 27-28, and 33 have been canceled.

Claims 1-4, 7-10, 12-15, 18-21, 23-26, and 29-32 are pending and now being allowed (renumbered 1-24).

2. The objection to the specification, 35 USC §101, and 35 USC §112 rejections are withdrawn in view of Applicants' amendments.

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms. Yociss, Registration No. 36,975, on April 26, 2007, for obviating 112, second paragraph issues.

4. IN THE CLAIMS: claims 12 and 13 are amended as follows:

Claim 12 (Currently amended),

between line 2 and line 3, insert a central processing unit (CPU);

Claim 13 (Currently amended),

at line 2, delete [[said data processing system including a]], and insert said.

Examiner's Statement of Reasons for Allowance

7. Claim 1 is the representative claim of independent claims 1, 12, and 13 (Remarks, page 13, lines 7-8).

As Applicants pointed out in the Remarks, the prior art of record (Jones US Patent No. 6,877,163 and McIntyre US Patent No. 6,415,435) does not disclose and/or fairly suggest:

generating a plurality of version-specific underlying objects, each one of said version-specific underlying objects being a different version of said underlying object; generating a plurality of translation objects, each one of said plurality of translation objects for communicating between said interface and a different one of said version-specific underlying objects (Remarks, page 14, lines 4-14);

receiving, by a particular one of said plurality of translation objects, a particular interface method call that was invoked on said interface, said particular one of said plurality of translation objects for communicating between said interface and a particular one of said version-specific underlying objects, said particular interface method call including a name and formal parameters (Remarks, page 14, lines 15-23); *and*

translating, by a particular invocation handler instance that is included in said particular one of said plural of translation objects, said particular interface method call by determining a version-specific method call that corresponds to said particular interface method call using said name and said formal parameters of said particular interface method call (Remarks, page 15, lines 1-6).

The prior art made of record in this Office Action, such as:

US Patent No. 6,735,756 discloses a plurality of logical device driver instances, each instance representing a specific version of the device driver, which can be accessed by an embedded application via a common interface.

US Patent No. 7,003,527 discloses methods and apparatus for managing devices within storage area networks by providing an enterprise storage area network application programming interface for managing elements said storage are networks.

US Patent Publication No. 2002/0129230 A1 discloses using common and specific application programming interfaces to determine system configuration information.

"Fibre Channel – Methodologies for Interconnects", American National Standard for Information Technology, December 4, 2001, discloses Common Host Bus Adapter (HBA) API implemented across vendors as a standard API supported by vendor specific library instances.

However, these prior art made of record, alone or in combination, do not disclose and/or fairly suggest claimed limitations in independent claims 1, 12, and 23.

These claimed limitations are not present in the prior art of and made of record and would not have been obvious, thus all pending claims 1-4, 7-10, 12-15, 18-21, 23-26, and 29-32 are allowed (renumbered 1-24).

8. Any inquiry concerning this communication should be directed to examiner Thuy Dao (Twee), whose telephone is (571) 272 8570. The examiner can normally be reached on the first Monday of the bi-week, and every Tuesday, Thursday, and Friday from 6:00AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam, can be reached at (571) 272 3695.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273 8300.

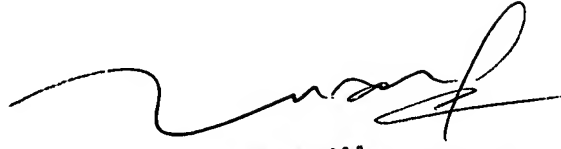
Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is (571) 272 2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

T. Dao

A handwritten signature in black ink, appearing to read 'Tuan Dam', with a stylized, flowing script.

TUAN DAM
SUPERVISORY PATENT EXAMINER